

# Practicing with Jupyter Notebooks

October 20, 2017

```
In [1]: 1 + 2
```

```
Out[1]: 3
```

```
In [2]: 1+3.5
```

```
Out[2]: 4.5
```

```
In [3]: -1+2.5
```

```
Out[3]: 1.5
```

```
In [4]: 100-45
```

```
Out[4]: 55
```

```
In [5]: -1.1+5
```

```
Out[5]: 3.9
```

```
In [6]: 3*2
```

```
Out[6]: 6
```

```
In [7]: 3.5*1.5
```

```
Out[7]: 5.25
```

```
In [8]: 3/2
```

```
Out[8]: 1.5
```

```
In [9]: 4/2
```

```
Out[9]: 2.0
```

```
In [10]: 3//2
```

```
Out[10]: 1
```

```
In [11]: -3//2
```

```
Out[11]: -2

In [12]: 9%2

Out[12]: 1

In [14]: 2**2

Out[14]: 4

In [15]: 2**10

Out[15]: 1024

In [16]: 1**10

Out[16]: 1

In [17]: 8**(1/3)

Out[17]: 2.0

In [18]: 5+5*5

Out[18]: 30

In [19]: (5+5)*5

Out[19]: 50

In [20]: a=3
          a+1

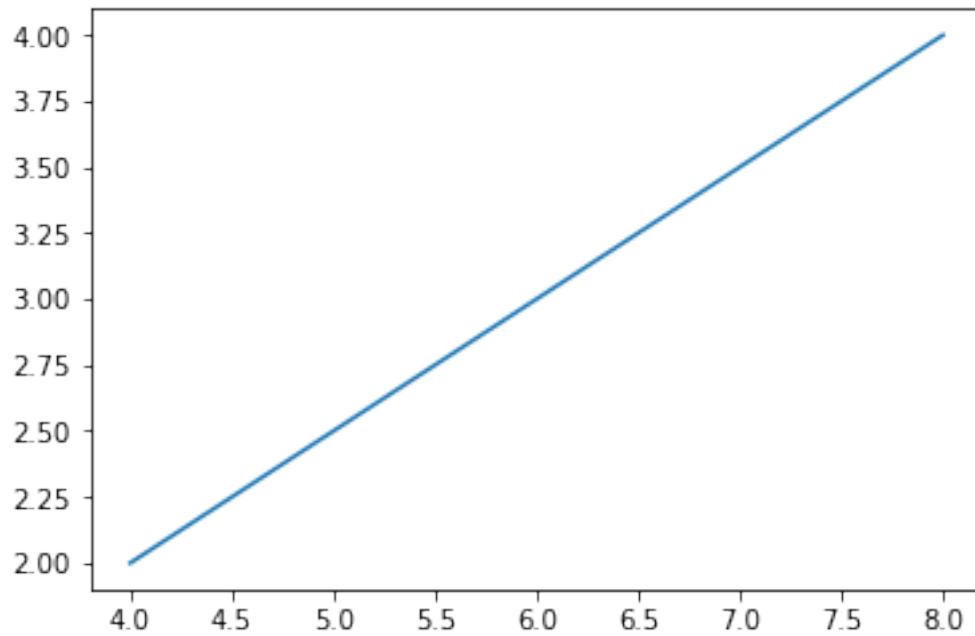
Out[20]: 4

In [6]: a=5
         a+1

Out[6]: 6

In [1]: import pylab
        xvalues=(4,6,8)
        yvalues=(2,3,4)

        pylab.plot(xvalues,yvalues)
        pylab.show()
```



```
In [14]: import pylab

xvalues=[5,8]
yvalues=[3,7]

def slope(xs, ys):
    return (ys[1]-ys[0]) / (xs[1] - xs[0])

print(slope(xvalues,yvalues))

pylab.plot(xvalues,yvalues)
pylab.show()
```

```
1.3333333333333333
```

